Administrativ instructions and Course overview Science & Machine Learning

FH University of Applied Sciences TECHNIKUM WIEN

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All learning materials of the this course are available at Moodle!

CIS → Meine LV → Link to Moodle course 'BIF-VZ-4-SS2022-DSML'

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Course overview

1. Introduction
2. The data science process: Introducing an end-to-end data science project example
3. kNN: Cross validation, hyper parameter tuning, evaluation matrices
4. Data Handling
5. Trees
6. Project Presentation Pitch
7. Simple Linear Regression
8. Clustering
9. Dimensionality Reduction
10. Revision / Final Exam / Final project presentation

Get an idea of what a machine learning algorithm is

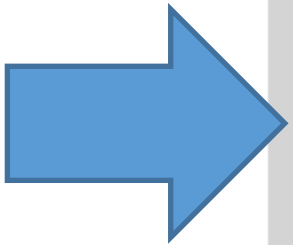
Once we know at least one machine learning algorithm (kNN) we can go into necessary prerequisites before we can do any real machine learning

Next we learn an intuitive additional classification algorithm and its regression version

Here you get to do something by yourself!

Then we learn linear regression, one simple clustering algorithm and the most commun dimensionality reduction algorithm

Assessment (Criteria)



Course Information, Examination Regulations

Course Information (CIS): Learning Outcomes, Attendance and more

Assessment

Assessment Criteria

Accreditation, Examination Regulations (CIS)

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